

Y-12ers Sign For New Insurance Coverage During June — Total Coverage Increased

June is 'sign-up time' in the Nuclear Division — the month when employees will have the opportunity to purchase low-cost supplemental life insurance to add to their present Group Insurance.

The increased coverage will be equal to at least one year's pay. However, employees must sign up during June if they are to obtain the insurance without a medical examination.

The cost the employee pays for the additional coverage will vary according to age. Those under 40 will pay a monthly rate of 25c per \$1,000 of insurance. Those over 40 and under 54 will pay 65c per \$1,000, and those between the ages of 55 and 64 will pay \$1.60 a month.

All employees have received enrollment cards for the supplemental insurance. If an employee

elects to enroll prior to July 1, the new coverage becomes effective on July 1, if he is not absent because of disability. Otherwise, the insurance becomes effective on his return to work.

The folders distributed to employees giving the highlights of the new supplemental life insurance group rates for this insurance are lower than the rates for comparable life insurance available on an individual basis. A table in the folder compared the rates for \$6,000 group supplemental life insurance and \$6,000 of the most comparable insurance generally available, five-year renewable term insurance, for ages 20, 30, 40, 55, and 60. The following table compares the rates for similar amounts of insurance at ages 25, 35, 45 and 50.

YEARLY COST

Age	Group	Individual	% Savings Under Group Life
25	\$18.00	\$30.58	41%
35	18.00	38.50	53%
45	46.00	64.48	27%
50	46.80	91.54	49%

An employee who is not in the medical examination — and become eligible for the supplemental insurance benefits as well.

TSPE Chapter To Honor Professional Engineers

The June meeting of the Tennessee Society of Professional Engineers will be held next Wednesday, June 18, at the Alexander Motor Inn, Oak Ridge. The social hour begins at 6:30 p.m., dinner at 7:30.

Highlight of the evening will be the presentation of professional engineering licenses to 15 newly registered professional engineers (it is estimated that 10 of these are Y-12ers).

Sylvan J. Cromer, director of engineering for the Nuclear Division, will make the presentation and give a talk on uranium processing.

Dinner reservations should be made through Leo Brown, extension 3-7776.

New Boating Act is Effective July 1

The Boating Act Amendment, effective July 1, makes it mandatory that all boats propelled by five horsepower motors or above be registered. All boats, except rowboats and canoes are covered by the new act. Vessels under 18 feet in length cost \$2 for registration.

Gus Angele, in Engineering, has necessary registration forms if anyone needs them.

SAFETY SCOREBOARD

The Y-12 Plant Has Operated
198 Days Or
6,386,000 Man-Hours
(Unofficial Estimate)
Through June 8
Without A Disabling Injury
SAFETY AT HOME,
AT WORK, AT PLAY

Recording/Blind Needs Readers

Summertime is an especially busy time at Recording for the Blind. June, July and August are the months when an unusually large number of textbooks must be read for the upcoming Fall semester. Yet the summer months are the time when many regular loyal volunteer readers and monitors must stay home with their young out-of-schoolers or take much-needed vacations with families.

Oak Ridge is fortunate in having many summer participants and visiting wives who would be qualified to read or monitor the needed textbooks and the Oak Ridge Unit can offer air-conditioned comfort in its sound-proof booths.

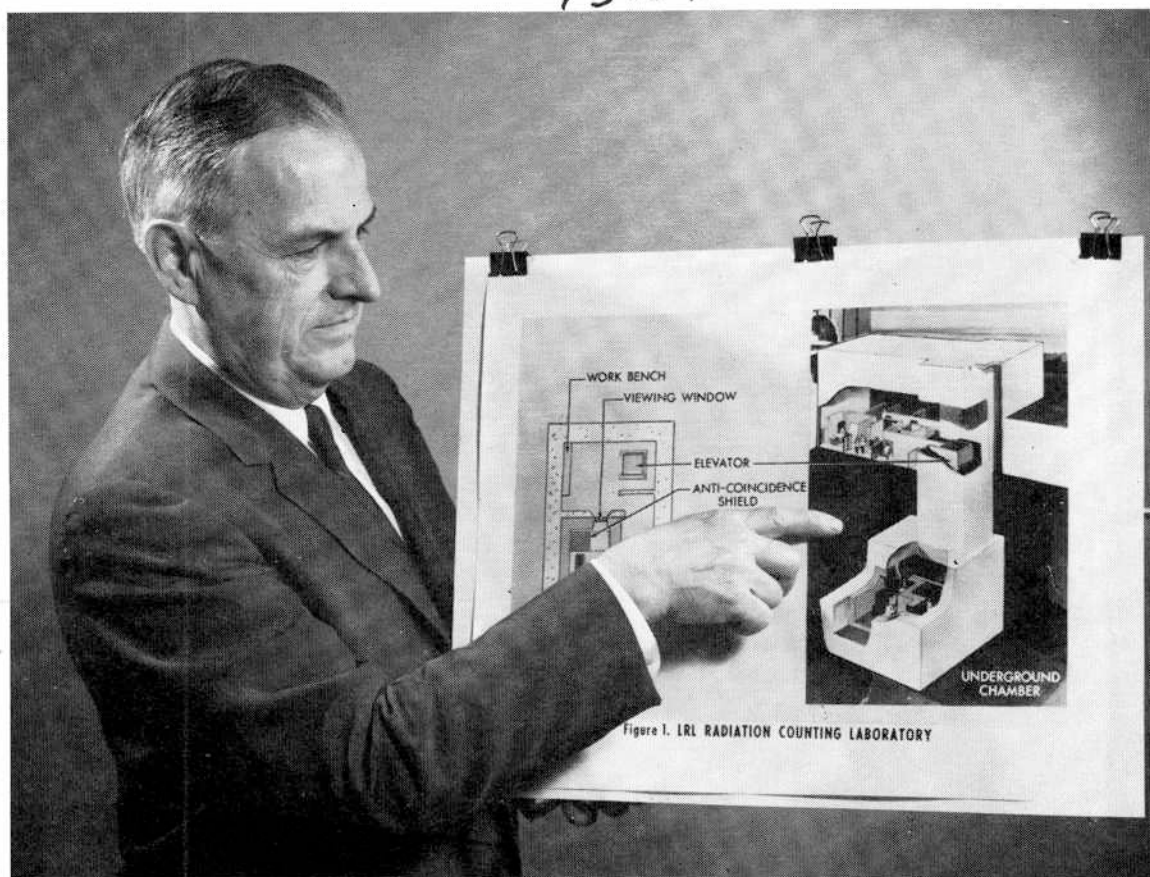
Especially needed are readers in the fields of psychology, sociology, cultural anthropology. Also general and specialized readers are always needed for mathematics, physics, history, statistics, computer manuals, et cetera.

If you would like to volunteer to read for RFB please call the recording studios in Cheyenne Hall, 483-6977. Office hours are 8:30 to 4:00 and 7:00 to 10:00 p.m. on Mondays through Thursdays and Friday mornings. Mrs. W. W. Grigorieff is Studio Director and Mrs. Murray Hanig is Assistant Director.

Harwell's Rae Guest Speaker At Seminar

The Physics and Neutron Physics Division plan a joint seminar tomorrow. E. R. Rae, Atomic Energy Research Establishment, Harwell, England, will discuss "Neutron Physics at Harwell."

The seminar is set for 3:15 p.m. tomorrow, Thursday, June 12, at the East Auditorium of ORNL's 4500 building.



DESIGN ENGINEER J. C. LITTLE points to a drawing of the Low Level Radiation Counting Facility to be used by NASA's Lunar Receiving Laboratory at the Manned Spacecraft Center in Houston to perform radiation examinations of samples returned from the moon. The underground system was designed, built, and tested by Y-12. 130639

'Moon' Lab Designed Here For NASA

Y-12 has designed, built, tested and supervised the initial operation of a special environmental control system for an underground low level radiation counting laboratory which will perform radiation monitoring tests on geological samples returned from the moon by Apollo astronauts.

J. C. Little and W. G. Anderson, Y-12 design engineers, played key roles in the development of the air filtration system.

Tests conducted in the facility, located at the National Aeronautics and Space Administration's Manned Spacecraft Center in Houston, Texas, are expected to play a vital role in resolving some questions regarding the origin and history of the moon.

Near Radiation Free

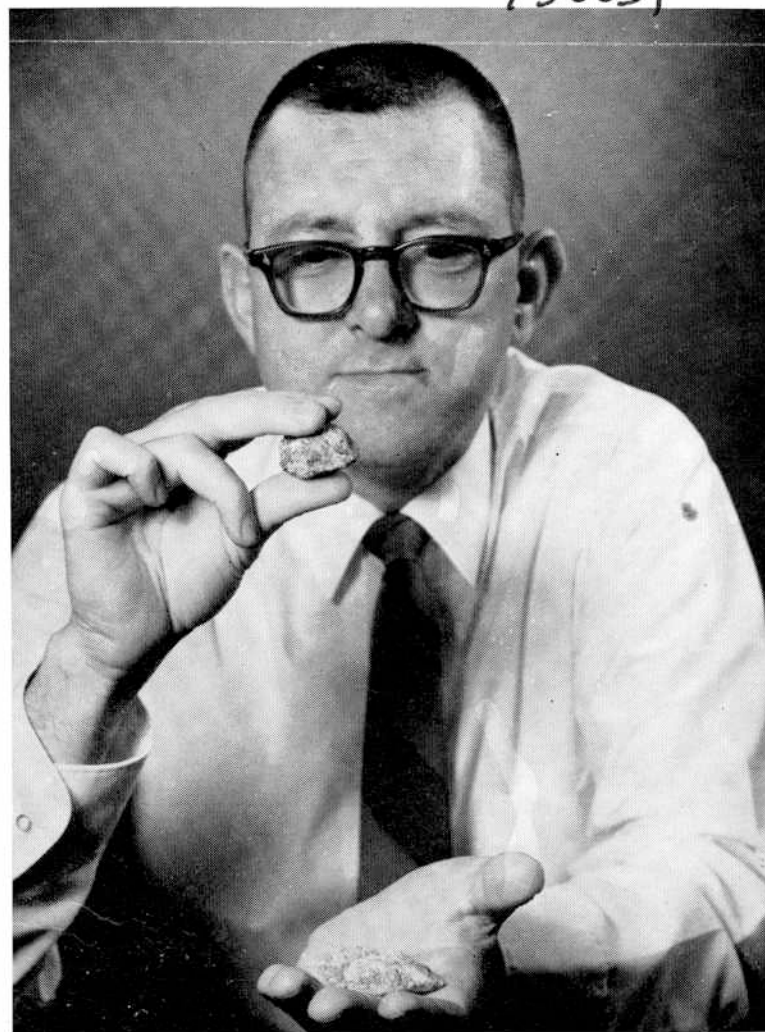
The laboratory, probably the most radiation-free on earth, consists of a counting room and control room totaling approximately 1,340 square feet. Its protection from practically all natural radiation emitted from space or from materials in the earth will permit accurate radiation counts of the lunar samples.

The extremely low level of natural radiation was achieved by locating the laboratory 40 feet underground within an air-water-dust-tight enclosure constructed of materials selected for their very low natural radiation content.

The underground location protects the laboratory from cosmic radiation emitted by the sun and stars.

Beds of Charcoal

The environmental control systems, developed by Y-12 person-



L. M. SCOTT, Y-12 HEALTH PHYSICIST, displays pieces of olivine, a green, rock-like material selected for use in NASA's underground laboratory. The material, found principally in the mountains of North Carolina, was selected because of its extremely low natural radiation content. Y-12's whole body counter was used to examine samples of construction material for NASA's special laboratory.

nel, consists of a recirculating air conditioning and filtration system and a gaseous adsorption system. The air conditioning system provides temperature, humidity and cleanliness control in the labora-

tory, while the gaseous adsorption system provides a means of removing the naturally occurring radioactive gas, radon, from the makeup air stream.

Continued on Page 4

The Bulletin

Published Weekly For The
Y-12 Employees Of
UNION CARBIDE
CORPORATION



NUCLEAR DIVISION

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Telephone 3-7100

Younghanse Son Is USAF Grad



Lieutenant John Younghanse

The U.S. Air Force Academy, Denver, Colorado, drew some Y-12 families the first week in June, as the academy graduated its 1969 officers. On June 4, John Younghanse received a degree in Aerospace Engineering and was commissioned a second lieutenant in the U.S. Air Force.

John is the son of J. O. Young-hanse, Isotopes Division, Building 9204-3. He is also the nephew of the C. R. "Fuzz" Harrisses. Both Fuzz and Liz and the Young-hanses attended the rites in Colorado.

After a 50-day leave with his parents, on Pat Road, Concord, Younghanse will report for duty to Mather Air Force Base, Sacramento, California.



Ride wanted from Walnoaks Road, Cumberland Estates, Knoxville, to North or Central Portal, straight day. Douglas Sparks, plant phone 3-7777.

Riders wanted (or will join car pool) from Ozone, Westen, or Rockwood, to Bear Creek or West Portal, straight day. J. W. Jackson, plant phone 3-5803, home phone Crossville 484-2081.

Uranium Supply Was Limited In Early 40's

Where did uranium come from 25 years ago? Two mines, the Shinkolobwe in the Belgian Congo and the Eldorado in Arctic Canada, and the low-grade tailings at the U.S. vanadium mills on the Colorado Plateau were the only known uranium sources in the world in 1942.

Two New Films Available-AEC

Two new motion pictures, one prepared for scientifically oriented audiences and the other for students, are now available for free loan from the Atomic Energy Commission here.

The technical-level movie, "Combustion Techniques in Liquid Scintillation Counting," was produced by the AEC's Argonne National Laboratory near Chicago. The 25-minute film outlines a new technique that enables scientists to prepare and measure extremely low beta energies in large numbers of biological samples.

Junior and senior high school classes are the prime audiences for the popular-level movie, "Exploring the Atomic Nucleus." This film, about 14 minutes long, shows some of the recent discoveries physicists have made concerning nuclear structure, the basic equipment used, and how the resulting data is analyzed.

The popular-level movie was produced by Coronet Films with the assistance of the Argonne National Laboratory.

Either film may be borrowed free of charge, except for return postage, from the AEC's Motion Picture Library.

ORCMA Begins Membership Drive

The Oak Ridge Civic Music Association has started its membership campaign for the 1969-70 season. Two series of concerts will be offered. The seven concerts on the Concert Series include guest soloists and performances by the Oak Ridge Symphony and Chorus. The Chamber Series will include four guest appearances.

Guest artists and chamber music groups include two fine pianists, a classic guitarist, and ensembles from New York, Germany and Tennessee. Concerts by the orchestra and chorus will include an evening of opera under the direction of Edward Zambara from the Music Department at The University of Tennessee.

Dr. Richard Cormier, conductor of the Chattanooga Symphony, will again be ORCMA's acting conductor and music director for the upcoming season.

Season subscriptions give a great savings over box office prices. For information on the series contact Mrs. A. E. Cameron, Oak Ridge telephone number 483-7037.

CLEAN HOUSE

A clean house seldom burns, says the National Fire Protection Association. Concentrate on cleaning out storage areas—attics, basements and closets—where one in five dwelling fires gets its start.



BOB BYAS, ELECTRICAL AND ELECTRONICS DEPARTMENT, is shown in front of his Knox County home, the scene of a disabling injury he suffered back in August of last year. The steep driveway going down to his house provided the gravity-pull of the trailer he had rented. He suffered severe chest injuries when pinned between his automobile and the rental trailer.

Employee Almost Killed Caught Between Auto And Trailer . . .

(Editor's Note: June has been declared officially as a time for prevention of off-the-job accidents. A total of 67 Y-12ers suffered lost-time injuries last year . . . compared to only two in the plant. The Safety Department has declared all-out warfare on mishaps on the highways and on our playgrounds and at home. This is the second of a series of articles where fellow employees share accident experience with other Y-12ers. Let Bob Byas, Electrical and Electronics Department tell of his painful injury last August.)

"I am Bob Byas of the Electrical and Electronics Department, Maintenance Division.

"On August 24, 1968, I sustained a severe chest injury in an off-the-job accident at my home on George Light Road in Knox County.

"Back in August of last year, I was making preparations to move from Clinton to my present address in Knox County. I was doing some remodeling inside the house into which I was planning to move. I had rented a U-Haul-It trailer to haul some building materials for the remodeling work. On this particular day around one

in the afternoon, I had parked the trailer on a rather steep grade in front of the house and had unloaded the building material. Knowing that I had several other errands to run, I decided to unhitch the trailer from my car since I did not want to pull the trailer all over town.

"Since I was parked on the downhill grade, I thought I could unhook the trailer and use the forward motion of the trailer to roll it out of the way. So, I got between the trailer and my car and braced myself. I started unscrewing the tap on the hitch. After I had unscrewed the tap on the hitch, I noticed that the hitch was stuck and was going to be hard to lift off. I tugged at it for a while and saw I was getting nowhere. I then probably made the big mistake of the day. I decided to put one foot on the bumper of the car and rock it and try to lift the tongue of the trailer at the same time.

Wedged Between Vehicles

"I didn't have very good balance; and when it came loose suddenly, the trailer rolled forward, driving me into the back of my car. I was lying in sort of a horizontal position with my chest pinned against the back of my car by the trailer. I tried to push it off me, but it was so heavy I could hardly budge it. It took me a good five minutes — what seemed like an eternity—to free myself. I finally pushed it off me, and it rolled out of the way.

"I knew I was hurt pretty badly, but I did not want to upset my wife who has a tendency to worry a lot about things like this. I suffered through the night, and the following morning I came to Y-12 and went to Medical. My chest was terribly sore and the pain was almost unbearable. I was referred to the Oak Ridge Hospital where X-rays revealed that I had two broken ribs and numerous other abrasions and contusions. An Ace bandage was applied, and

I was given some pain pills. Missed Classroom Work

"The injury seemed to get worse and worse and hurt more and more. Due to the excruciating pain, I could hardly sleep at all. Even though the doctor gave me stronger pain pills, I still suffered a great deal. Not only did I suffer a lot of pain and inconvenience, I lost seven days from work. I tried to come back to work, but the pain pills made me too dizzy to work so I was sent back home. I really could not afford to lose this time because I was having important classroom work here at the plant that I should not have missed. On top of that, I had financial obligations to meet and needed the money.

"In looking back now, it is easy for me to see how simple it would have been for me to have prevented this accident. FIRST, I could have placed a brick or scotch under the wheels of the trailer, which would have kept it from rolling. SECOND, I could have parked the trailer on level ground near the driveway. It would have been well worth the time.

"I can assure you, accidents don't pay. This one cost me some valuable time and needed money. If a person is really concerned about the different aspects of being off from work—loss of money, suffering and pain, loss of time, inconvenience, etc. — I think he would tend to be more careful in doing jobs around the house and also on the job. However, the probable reason for most accidents like mine is indifference—in other words, 'it's gonna happen to the other guy—not me.' Folks, don't let this attitude develop. It only leads to an accident."

NEW PROSPECTORS

Uranium prospecting has attracted more people, including those without mining experience, than any "strike" since the California gold rush in 1849.

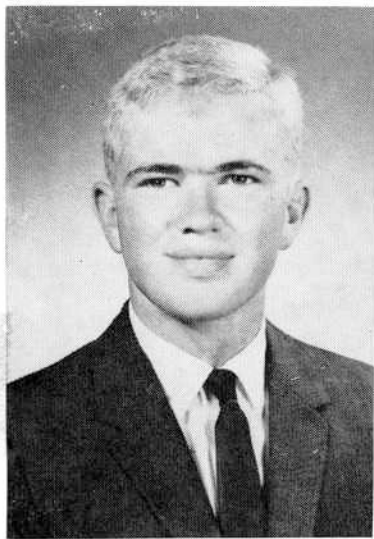
OFF-THE-JOB SAFETY



JUNE, 1969

Y-12 SAFETY DEPARTMENT

Defenderfer Son Gets Math Honors



Joe Defenderfer

The Victor Defenderfers were pleased to get news that son Joe had received honors in comprehensive mathematics in statewide competition recently. Joe placed second in all-Volunteer competition.

He and his mother journeyed to Memphis to attend the Tennessee Mathematics Teachers Association. His math teacher at Oak Ridge High School is Mrs. Benita Albert.

Young Defenderfer, a senior at ORHS, is a member of the Key Club and is an Explorer Scout. He hopes to co-op this fall, attending Georgia Tech, Atlanta, where he wishes to study electrical engineering.

The Defenderfers have two older sons . . . Bob and Bud and a married daughter, Betty.

Victor is in Y-12's Beta Two Forming.



THIS UNHAPPY little girl seldom frowns anymore. Know who she is? Her father A. A. Pierce, Guard Department, brought this in . . . said it was made in Elizabethton a few years ago. Her name?

(Lucy Parker, Machine Maintenance)

Sherrod, Baker Lead Melton T'men

Walt Sherrod and J. R. Baker led greensmen last week in the Melton Hill Golf League, each scoring a low 37. Sherrod also took handicap honors, firing a sizzling 32 handicap score.

In the big matches Diggs-McElroy trimmed Ellis-Sise for the count of six . . . as did Gresham-Bell over Nixdorf - Holdaway, Sherrod - Wyrick past Stinnett-Ladd, Baker-Babb past Gordon-Loupe and Alvey-Cantrell over Winstead-Ferguson. Posting five were the duos of Stewart-Wright over Butler-Carter, and Parker-Parrott over Morehead-Poly.

Taking four were Tuck-Wetzel past Clabough-Tiller and Wright-Dunaway past the Sewells.

League standings follow:

Team	W	L
Riggs-McElroy	15	3
Stewart-Wright	15	3
Gresham-Bell	14	4
Sherrod-Wyrick	15	3
Baker-Babb	13	5
Clabough-Tiller	12	6
Alley-Cantrell	12	6
Parker-Parrott	11	7
Tuck-Wetzel	11	7
Wright-Dunaway	9	9
Poly-Morehead	8	10
Gordon-Loupe	6	12
Stinnett-Ladd	6	12
Ferguson-Winstead	6	12
Sewell-Sewell	5	13
Carter-Butler	2	16
Ellis-Sise	1	17
Holdaway-Nixdorf	1	17

Smith-Henderson SW Point Leaders

Smith-Henderson assumed the reins of the Southwest Point Golf League last week, with a four-point win over Argo-Groppe.

Goss-Stanton moved up by downing the Morgan-Jones pair for six . . . and Verner-Clayton mowed Mee-Wright down for four.

Henderson, Clayton, Goss and Mee all carded a 38 on the nine holes.

League standings follow:

Team	W	L
Smith-Henderson	16	2
Goss-Stanton	13	5
Morgan-Jones	10	8
Verner-Clayton	6	12
Mee-Wright	5	13
Argo-Groppe	4	14

SW Point Tournament Set Saturday, June 28

June may be bustin' out all over . . . but it hasn't slowed golfers down any. Now the big scene will be June 28 . . . at Southwest Point, Kingston, nestled near beautiful Watts Bar Lake.

Golfers may submit a foursome entry on the nearby coupon. Please, by Wednesday, June 25. Drawings will be next day and foursome leaders will be notified. You'uns come.



ANOTHER BIG TEAM in Softball circles around the plant is the Buccaneers . . . with some newcomers and some oldsters around. In the front row from left are Bill Sliger, Larry Webb, Wesley Self, assistant manager; Floy Wells and Jack Jones. In the back row are Tom Dixon, Gerry Babb, B. D. McElroy, Dick Nixdorf, Jack Sliger, Bob Sliger and Jay Cogswell. Manager Fred Fox wasn't around when the photograph was made.

Recreation



Saturday, June 14

HI POWER RIFLE LEAGUE: 9 a.m. Oak Ridge Sportsmen's Association.

Monday, June 16

SOFTBALL LEAGUE: 6:15, 7:30, 8:45 p.m. Pinewood Park. Buccaneers vs. Beta 4 Astros; K-25 Gashouse Gang vs. J-Birds; Big Shops vs. Beta 2 Miners.

Tuesday, June 17

SOFTBALL LEAGUE: 6:15, 7:30, 8:45 p.m. Pinewood Park. A Wingers vs. Show Ups; Colts vs. NC Squad; Bat Boys 7s. 69ers.

PHYSICAL FITNESS: (For Men): 7:30 p.m., Oak Ridge High School Gym.

WHITTLES GOLF COURSE: After work, Whittle Springs Golf Course, Knoxville.

Wednesday, June 18

MELTON HILL GOLF LEAGUE: After Work, Melton Hill Golf Club, Clinton.

Thursday, June 19

SOUTHWEST POINT GOLF LEAGUE: After Work, Southwest Point, Kingston.

SOFTBALL LEAGUE: 6:15, 7:30, 8:45 p.m. Pinewood Park. Eagles vs. All Stars; Yankees vs. Go Go Gophers; Y-12 Snakes vs. Braves.

HORSESHOE LEAGUE: 7 p.m. City Courts, Jackson Square, Oak Ridge.

Ball-Leach Take Whittle Link Lead

Ball-Leach leads the Whittle Springs Golf League, after a trouncing six-point win over Norris-Smeltzer.

Cowen-O'Neal took four from True-Poe . . . and Holland-Wilson took Troutman-Chitwood by the same score.

Red Leach scored a 38 low . . . and his 32 tied with Gordon Holland for handicap low.

League standings follow:

Team	W	L
Ball-Leach	16	2
Cowen-O'Neal	10	2
Tharpe-Dake	9	3
True-Poe	6	12
Holland-Wilson	6	12
Norris-Smeltzer	4	8
Troutman-Chitwood	3	15

Snakes, All Stars, Braves Keep Spotless Slate In Softball Action

Three Y-12 teams continued their inevitable march toward a clash among themselves . . . as they kept perfect records in the Softball League.

The Y-12 Snakes opened action by downing the Go-Go-Gophers barely 14 to 13, clinching the game in the closing seconds.

The GGG team saw Fred Felte fell a four-bagger . . . with Mike Gregg taking a heady triple.

The Braves trounced the Eagles 19 to 1 . . . as Steve Babb earned three homers, Rick Hill and Jim Shoemaker poled one each.

The Braves crossed the home-base eight times in the second inning.

The All Stars out-distanced the Yankees 10 to 9 as Rod Dobbs earned two four-baggers for the winners. On the losing squad it was Jerry Davis and Emmett Moore with big homers.

The J-Birds eked by the Buccaneers 7 to 6 . . . as Floy Wells fell a four-bagger for the losing squad.

In final action Thursday, the K-25 Colts galloped over the Bat

Boys 29 to 2 . . . in a one-sided affray.

Wes Peters, Jim Treadwell and Harold Conner all homered for the winning team.

The 69ers showed their metal in downing the Show-Ups 33 to 2 . . . as Larry Underdown clipped two homers; Jim Drischler and Jim Smith sailed one each over the fence.

The N.C. Squad took a forfeit win over the A-Wingers.

Rained out games were re-set for tonight, June 11 . . . K-25 Gashouse Gang vs. A-Wingers and the Big Shops vs. Beta 4 Astros.

League standings follow:

Team	W	L
Y-12 Snakes	5	0
All Stars	5	0
Braves	5	0
K-25 Colts	4	1
69ers	4	1
K-25 Gashouse Gang	3	1
Yankees	3	2
Eagles	3	2
J-Birds	3	2
Buccaneers	2	3
Go Go Gophers	2	3
Big Shops	1	3
Show Ups	1	4
N.C. Squad	1	4
A-Wingers	1	5
Beta 2 Miners	0	3
Beta 4 Astros	0	4
Bat Boys	0	5

Boat Inspection Is Free From Auxiliary

Does your boat meet the principles of safety in addition to all legal requirements? To be sure, see a qualified member of the Coast Guard and let him examine your boat. It is free, and there is absolutely no obligation. If any deficiencies are found, no report is made and no law enforcement authority is notified. The Auxiliary member will advise you of the deficiencies so you can correct them.

The Auxiliary's official Courtesy Motorboat Examination Decal — The Seal of Safety — is awarded to motorboats which pass the examination.

Request a courtesy motorboat examination from any of the Auxiliary members below:

W. L. DeRieux, 483-1035

C. R. Williams, 482-1775.

Kenneth Whitehouse, 482-2655

Ben Butler, 435-6724.

All the above are members of the USCG Auxiliary Flotilla 4, Division 26, 2nd District.

Interest Picks Up In Plant Tennis

There's more interest in tennis this year than was evidenced last year. Perhaps we're all getting a little younger.

If you want to participate in plant competition in singles . . . just call Recreation, 3-7109. They will get you started in a league soon.



"You were right—it's a secret spot. Not even the fish know about it!"

Tee-Off Time Application For SW Point, Kingston Golf Tournament

Saturday, June 28

Foursome

_____, Leader

Leader's office phone _____

Home phone _____

Tee-off Time Preferred _____

Fill out completely and return to the Recreation Office, Building 9711-5. Deadline for entering is 4:30 p.m. Wednesday, June 25. Tee-off times will be drawn the next day, Thursday, June 26 at 8:30 a.m.



CBS NEWS CORRESPONDENT Walter Cronkite gets a taste of being an astronaut in "The 21st Century" broadcast in simulation. "Tomorrow—Today." The report on the use of today's technology to experiment with situations man may experience in the future will be seen Sunday, June 15, at 6 p.m., EDT, in color on the CBS Television Network. The prize-winning series is carried locally by WBIR-TV, Channel 10, and sponsored in the public interest by Union Carbide Corporation.

'Tomorrow-Today' Simulates Conditions On 21st Century TV Program This Sunday

Simulation, the use of today's technology to experiment with situations man may experience in the future, will be reported in "The 21st Century" episode, "Tomorrow—Today," Sunday, June 15 at 6 p.m., EDT in color on the CBS Television Network. The program is carried in this area by WBIR-TV, Channel 10. Walter Cronkite is principal reporter for the series sponsored in the public interest by Union Carbide Corporation.

The advent of the twenty-first century and man's entry into space environments assisted by new and sophisticated equipment pose special problems of training today. Cronkite will perform, in simulation, some of the activities astronauts might experience in their preparation for an actual lunar touchdown next month.

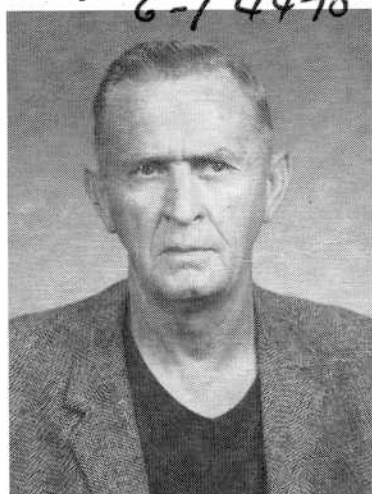
Going for a simulated "walk" on the moon at Langley NASA Base, Virginia, Cronkite will don a harness used by astronauts to experience the reduced gravity of the moon. In a state of near weightlessness, he will perform several back flips and acrobatic jumps.

Cronkite will also be seen performing other tasks in simulation. These include "waging" a computerized war in outer space and "flying" a supersonic transport at the speed of 1,700 mph.

"Tomorrow—Today" was written by Tom Schachtman. Fred Warshofsky is science editor for

the series; Isaac Kleinerman is producer and Burton Benjamin executive producer. "Tomorrow—Today" Sunday, 6 p.m., WBIR-TV, Channel 10.

R. K. Miller Took Early Retirement



Robert K. Miller

In the hustle of putting the May 28 Bulletin together, it was discovered that Robert K. Miller, an early retiree, was working shift work. We were unable to photograph him for his big retirement.

Miller, a native of Stephens, Virginia, retired to his 236 Canton Hall, Oak Ridge, address.

He came to Y-12 May 17, 1954.



The lush Spring weather, and early Summer days stretch out, marking more important dates for Y-12ers celebrating milestones with Union Carbide Corporation. Congratulations.

25 YEARS

James V. Ledbetter, Guard Department, June 12.

Fred M. George, Fire Department, June 12.

Wilma C. Trebilcox, Chemical Services, June 13.

James Arrington, Special Services, June 13.

William J. Barker, Alpha Five East Shop, June 15.

Betty Whitehorn, Development Operations, June 15.

Jaunita H. Easley, Production Assay, June 16.

Willie D. Braden, Cafeteria, June 16.

15 YEARS

Robert T. Rose, Stores Department, June 11.

Oscar H. Harmon, Beta Four Heavy Machine Shop, June 11.

Charles S. Harmon, Chemical Services, June 12.

John T. Farmer, Buildings, Grounds and Maintenance Shops, June 13.

Ernest L. Henson Jr., Mechanical Inspection, June 14.

Carl F. Conner, Machine Maintenance, June 15.

Kirk O. Pearson, Fabrication Division Engineering, June 16.

Keron D. Thompson, 9215 Rolling Mill, June 16.

James T. Roberts, Beta Four Heavy Machine Shop, June 16.

William F. Wormsley, Beta Four Forming, June 16.

John C. Lowe, Dispatching Department, June 16.

Walter V. Kanipe, H-2 and F-Area Shops, June 17.

Billy D. Duncan, Beta Four Heavy Machine Shop, June 17.

Joe Dick, Beta Two Shop, June 17.

Galman Phillips, General Machine Shop, June 17.

Luther S. Hall, Tool Grinding, June 17.

Melvin E. Thompson, Material Specimen Shop, June 17.

Madeline E. Keck, Maintenance Division, June 17.

10 YEARS

Alfred B. Galyon, Tool Grinding, June 11.

William R. Robbins, Assembly Operations, June 12.

Thomas E. McGinnis, Assembly Operations, June 15.

James R. Sanders, Dimensional Inspection, June 15.

Paul J. Anderson, Tool Engineering, June 15.

Roy L. Huddleston, Chemical Engineering Development, June 15.

Rudolph Hendricks Jr., Ceramics and Plastics Development, June 15.

DANGEROUS INTERSECTION

In 1906, a small town in a mid-western state passed an ordinance which read: "When two cars approach a grade crossing at the same time both shall come to a complete stop and neither shall move until the other has passed by."

DO UNTO OTHERS

A letter to the editor of a popular news magazine recently stated that all of us should get involved in our society . . . get acquainted with the problems of our community . . . stand up and be counted with those who care. It was signed: Anonymous!



UNION CARBIDE CORPORATION

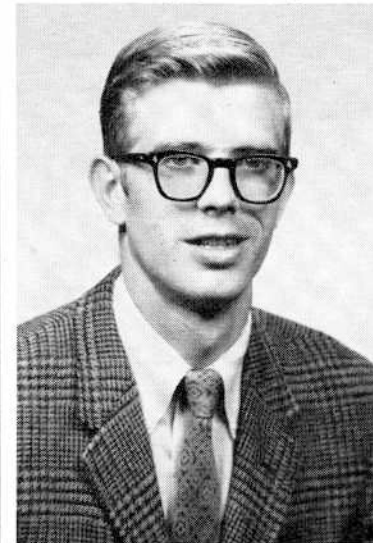
NUCLEAR DIVISION

P. O. BOX Y, OAK RIDGE, TENNESSEE 37830

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(Do Not Forward—Return Postage Guaranteed)

BULK RATE
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PAID
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Permit No. 71



W. C. ANDERSON was one of the key figures in the development of the air filtration system for NASA's underground low level radiation counting laboratory . . . along with fellow engineer J. C. Little.

'Moon-Lab'

Continued from Page 1

Radon originates from the radioactive decay of tiny quantities of uranium and thorium within the earth. It is removed from the makeup air by beds of charcoal cooled by liquid nitrogen. Further radioactive decay products of radon which escape the charcoal adsorbers will be trapped in the high efficiency filters of the recirculated air system.

Body Counter Used

Selection of materials and equipment with a low radiation content involved the testing of hundreds of samples provided by manufacturers in Y-12's Radioactivity Measurement Facility, a whole body counter normally used for detecting radioactive elements in personnel.

The laboratory walls, roof and floor are constructed of five-foot-thick concrete. To obtain additional shielding, the counting room is completely surrounded by a three-foot-thick lining of olivine encased in carbon steel. Olivine, a green, crystalline rock-like substance with an extremely low natural radioactivity content, is found in the mountains of North Carolina.

Moon Sample Boxes

In addition to the low level radiation counting laboratory, Y-12 has provided further assistance to the NASA Apollo Program through the design and construction of vacuum boxes to be used in transporting the lunar samples to earth and the special containment equipment for the Lunar Receiving Laboratory where the boxes will be opened and the samples examined and processed.

Y-12 was selected to participate in the Apollo program because of its long, unique experience in the radiation monitoring and handling of exotic materials in special environments. It is one of the four installations operated by Union Carbide Corporation for the U.S. Atomic Energy Commission.

DEFINITION

A girdle has been described as an accessory after the fat!

Planning A Move? Let Records Know

Are you planning to move in the immediate future?

Be sure to fill out a change of address card when you move your residence. The Bulletin receives many copies back each week of employees who have moved. (The post office can not forward the newspaper.)

While it is not catastrophic to miss the Bulletin, it is vital that your company have a correct address on you. More important papers than the newspaper depend on the same mailing address.

The form number is UCN-4488, and all division and departmental offices have them. So just fill it out and drop it in the plant mail. You don't even have to address them . . . they go to the mail room automatically.

Grim Daughter Is Graduated At UT



Mary Anne Grim

June 8th was a big day in the Mark S. Grim Jr. household in Norris. Their daughter Mary Anne Grim was graduated from the University of Tennessee's College of Nursing in Memphis, receiving her bachelor of science degree.

Mary was president of her senior class and has held other student offices including member of the student council of UT Medical Units, chairman of the dormitory council, and member of the medical units parking authority.

As reported in the Bulletin four years ago, she was valedictorian of her Norris High School graduating class.

Mary has accepted a position with the Memphis Children's Hospital.

Another daughter Margaret will be a senior this year at Memphis.

The proud father is in Y-12's Facilities Engineering Department.

IF AT FIRST

A jewelry dealer, upon losing a pair of binoculars to thieves, left a card in the window to the thieves, informing them they had neglected to take the case. The next day the case was missing.